

Comparisons of Job Characteristics

Focus Occupation: [Insulation Workers, Mechanical \(47-2132\)](#)

Associated Occupation: [Plumbers, Pipefitters, and Steamfitters \(47-2152\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Insulation Workers, Mechanical (47-2132)
Associated Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	17.0	10.3	<<	Extensive education and/or training may be required
Building and Construction	4.0	16.6	11.4	<<	Extensive education and/or training may be required
Design	5.2	11.2	9.4	<	Expanded education and/or training may be required
Mathematics	9.2	11.0	11.1	0	Current knowledge level may be sufficient
Physics	4.3	9.6	4.4	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	9.1	6.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Insulation Workers, Mechanical (47-2132)
Associated Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	8.7	6.6	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.7	6.0	<<	Extensive development of skills in this area may be required
Repairing	3.4	8.4	1.6	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	8.4	5.1	<<	Extensive development of skills in this area may be required

Equipment Maintenance	3.5	7.5	1.2	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.0	2.1	<<	Extensive development of skills in this area may be required
Installation	1.7	5.5	2.5	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 91			
Focus Occupation: Insulation Workers, Mechanical (47-2132) Associated Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.8	9.8	<	Some improvement in abilities may be required
Extent Flexibility	4.8	11.5	10.0	<	Some improvement in abilities may be required
Visualization	7.5	11.2	7.9	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.1	9.5	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.1	8.9	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	8.0	9.5	>	Current ability level is likely sufficient
Gross Body Coordination	3.9	7.4	8.0	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	6.3	3.6	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	5.8	2.6	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Insulation Workers, Mechanical (47-2132) Associated Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Apply adhesives, caulking, sealants, or coatings	45	
Build or repair structures in construction, repair, or manufacturing setting	54	
Cut, shape, fit, or join wood or other construction materials	58	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Measure and mark reference points or cutting lines on workpieces	66	

Move or fit heavy objects	8
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Understand construction specifications	53
Use hand or power tools	2
Use hazardous materials information	35
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 79

Focus Occupation: Insulation Workers, Mechanical (47-2132)
Associated Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Tools and Technologies	Exclusivity
Business function specific software	1
Compressors	9
Computers	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Fastener setting tools	12
Holding and clamping tools	3
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Marking tools	11
Measuring and layout tools	3
Power tools	2
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.